

MERCHANT & GOULD P.C.

United States Patent Application

DECLARATION

As a below named inventor, we hereby declare that: our residences, post office addresses and citizenships are as stated below next to our names; that

We verily believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled AUTOMATED ANALYSIS OF INTERFACE TIMING MEASUREMENTS, the specification of which is attached hereto.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (described hereinbelow).

We hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

- a. ☒ no such applications have been filed.
 b. ☐ such applications have been filed as follows:

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC § 119			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
ALL FOREIGN APPLICATION(S), IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)

We hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)

We hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (Day, Month, Year)
60/282,236	April 6, 2001

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2	Full Name Of Inventor	Family Name Fox	First Given Name Travis	Second Given Name D.
0	Residence & Citizenship	City Edmond	State or Foreign Country OK	Country of Citizenship USA
1	Post Office Address	Post Office Address 900 Marston Drive	City Edmond	State & Zip Code/Country Oklahoma 73034, USA
Signature of Inventor 201: <i>[Signature]</i>			Date: 2/1/2002	
2	Full Name Of Inventor	Family Name Olds	First Given Name Edwin	Second Given Name S.
0	Residence & Citizenship	City Norman	State or Foreign Country OK	Country of Citizenship USA
2	Post Office Address	Post Office Address 5100 Ladbrook Street	City Norman	State & Zip Code/Country Oklahoma 73072, USA
Signature of Inventor 202: <i>[Signature]</i>			Date: 2/1/2002	
2	Full Name Of Inventor	Family Name Thiessen	First Given Name Mark	Second Given Name A.
0	Residence & Citizenship	City Mustang	State or Foreign Country OK	Country of Citizenship USA
3	Post Office Address	Post Office Address 421 E. Twelve Oaks	City Mustang	State & Zip Code/Country Oklahoma 73064, USA
Signature of Inventor 203: <i>[Signature]</i>			Date: 2-1-2002	

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	Travis D. Fox, Edwin S. Olds, and Mark A. Thiessen		
Serial No.:	Unknown	Examiner:	Unknown
Filed:	Herewith	Group Art Unit:	Unknown
Title:	AUTOMATED ANALYSIS OF INTERFACE TIMING MEASUREMENTS		
Docket:	STL10244/40046.191USU1		

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
(REVOCATION OF PRIOR POWERS)

As assignee of record of the entire interest of the above identified application, all powers of attorney previously given are hereby revoked and the following practitioners/patent agents are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith.

Shawn B. Dempster, Registration No. 34,321	Raghunath S. Minisandram, Registration No. 38,683
Derek J. Berger, Registration No. 45,401	Paul T. Dietz, Registration No. 38,858
Kirk A. Cesari, Registration No. 47,479	Carol I. Bordas, Registration No. 37,284
David K. Lucente No. 36,202	Jennifer M. Buenzow Registration No. P-50,124
Mitchell K. McCarthy, Registration No. 38,794	

And members of the firm of Merchant & Gould P.C.

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Altera, Allan G.	Reg. No. 40,274	Johns, Nicholas P.	Reg. No. 48,995
Anderson, Gregg I.	Reg. No. 28,828	Johnston, Scott W.	Reg. No. 39,721
Batzli, Brian H.	Reg. No. 32,960	Kadievitch, Natalie D.	Reg. No. 34,196
Beard, John L.	Reg. No. 27,612	Kettelberger, Denise	Reg. No. 33,924
Berns, John M.	Reg. No. 43,496	Keys, Jerramie J.	Reg. No. 42,724
Branch, John W.	Reg. No. 41,633	Knearl, Homer L.	Reg. No. 21,197
Brown, Jeffrey C.	Reg. No. 41,643	Kowalchuk, Alan W.	Reg. No. 31,535
Bruess, Steven C.	Reg. No. 34,130	Kowalchuk, Katherine M.	Reg. No. 36,848
Byrne, Linda M.	Reg. No. 32,404	Lacy, Paul E.	Reg. No. 38,946
Campbell, Keith	Reg. No. 46,597	Larson, James A.	Reg. No. 40,443
Carlson, Alan G.	Reg. No. 25,959	Leonard, Christopher J.	Reg. No. 41,940
Caspers, Philip P.	Reg. No. 33,227	Liepa, Mara E.	Reg. No. 40,066
Clifford, John A.	Reg. No. 30,247	Lindquist, Timothy A.	Reg. No. 40,701
Cook, Jeffrey	Reg. No. 48,649	Lown, Jean A.	Reg. No. 48,428
Daignault, Ronald A.	Reg. No. 25,968	McDonald, Daniel W.	Reg. No. 32,044
Daley, Dennis R.	Reg. No. 34,994	McIntyre, Jr., William F.	Reg. No. 44,921
Daulton, Julie R.	Reg. No. 36,414	Mueller, Douglas P.	Reg. No. 30,300
DeVries Smith, Katherine M.	Reg. No. 42,157	Nelson, Anna M.	Reg. No. 48,935
DiPietro, Mark J.	Reg. No. 28,707	Parsons, Nancy J.	Reg. No. 40,364
Doscotch, Matthew A.	Reg. No. P-48,957	Pauly, Daniel M.	Reg. No. 40,123
Edell, Robert T.	Reg. No. 20,187	Phillips, John B.	Reg. No. 37,206
Epp Ryan, Sandra	Reg. No. 39,667	Fino, Mark J.	Reg. No. 43,858
Glance, Robert J.	Reg. No. 40,620	Prendergast, Paul	Reg. No. 46,068
Goff, Jared S.	Reg. No. 44,716	Pytel, Melissa J.	Reg. No. 41,512
Goggin, Matthew J.	Reg. No. 44,125	Qualey, Terry	Reg. No. 25,148
Golla, Charles E.	Reg. No. 26,896	Reich, John C.	Reg. No. 37,703
Gorman, Alan G.	Reg. No. 38,472	Reiland, Earl D.	Reg. No. 25,767
Gould, John D.	Reg. No. 18,223	Schmaltz, David G.	Reg. No. 39,828
Gregson, Richard	Reg. No. 41,804	Schuman, Mark D.	Reg. No. 31,197
Gresens, John J.	Reg. No. 33,112	Schumann, Michael D.	Reg. No. 30,422
Hamer, Samuel A.	Reg. No. 46,754	Scull, Timothy B.	Reg. No. 42,137
Hamre, Curtis B.	Reg. No. 29,165	Sebald, Gregory A.	Reg. No. 33,280
Harrison, Kevin C.	Reg. No. 46,759	Skoog, Mark T.	Reg. No. 40,178
Hennings, Mark R.	Reg. No. 48,982	Spellman, Steven J.	Reg. No. 45,124
Hertzberg, Brett A.	Reg. No. 42,660	Stewart, Alan R.	Reg. No. 47,974
Hillson, Randall A.	Reg. No. 31,838	Stoll-DeBell, Kirstin L.	Reg. No. 43,164
Holzer, Jr., Richard J.	Reg. No. 42,668	Sullivan, Timothy	Reg. No. 47,981

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Wahl, John R.
Weaver, Paul L.
Welter, Paul A.
Whipps, Brian

Reg. No. 29,114
Reg. No. 45,147
Reg. No. 32,314
Reg. No. 38,344
Reg. No. 42,189
Reg. No. 27,403
Reg. No. 32,179
Reg. No. 33,044
Reg. No. 48,640
Reg. No. 20,890
Reg. No. 43,261

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Withers, James D.
Wirt, Jonelle
Wong, Thomas S.
Wu, Tong
Young, Thomas
Zeuli, Anthony R.

Reg. No. 42,222
Reg. No. P-48,229
Reg. No. 27,054
Reg. No. 40,376
Reg. No. 41,980
Reg. No. 48,577
Reg. No. 43,361
Reg. No. 25,796
Reg. No. 45,255

CHANGE OF ATTORNEY'S/AGENT'S ADDRESS IN APPLICATION

Merchant & Gould P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903


STATEMENT UNDER 37 CFR 3.73(b)

Seagate Technology LLC states that it is the Assignee of Entire Interest in the patent application/patent identified above by virtue of an Assignment from the inventor(s) of the patent application/patent identified above. A copy of the Assignment is attached and/or was recorded in the Patent and Trademark Office at Rcel, Frame. The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the Assignee.

Respectfully submitted,

SEAGATE TECHNOLOGY LLC
(Assignee of Entire Interest)

2-1-2002
Date


Kirk A. Cesari, Registration No. 47,479
SEAGATE TECHNOLOGY LLC
Intellectual Property - SHK2LG
1280 Disc Drive
Shakopee, MN 55379
Phone: 952-402-3534
Fax: 952-402-2657

ASSIGNMENT

WHEREAS, we, Travis D. Fox, residing at 900 Marston Drive, Edmond, Oklahoma 73034; Edwin S. Olds, residing at 5100 Ladbrook Street, Norman, Oklahoma 73072; Mark A. Thiessen, residing at 421 E. Twelve Oaks, Mustang, Oklahoma 73064, are the inventors of an invention entitled AUTOMATED ANALYSIS OF INTERFACE TIMING MEASUREMENTS that is the subject matter of

☒ a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Serial No. 60/282,236, filed April 6, 2001;

☒ an application for Letters Patent, the application having been executed on even date herewith, and

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under and by virtue of the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California 95067 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

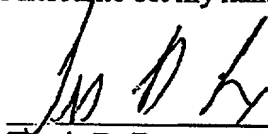
NOW THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, we transfer to Assignee, its successors and assigns, our entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and serial numbers of the application when ascertained. We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above-identified international application and any international application for the invention.

We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We and our executors or administrators will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference litigation or proceeding.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1st day of

February, 2002.



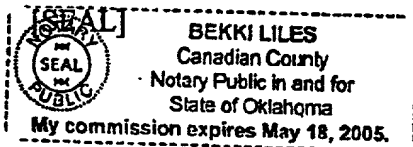
Travis D. Fox

STATE OF Oklahoma)
COUNTY OF Canadian)ss:

On this 1st day of February, 2002, before me personally appeared Travis D. Fox to me known to be the person described in, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



Notary Public



IN TESTIMONY WHEREOF, I have hereunto set my hand this 1st day of February, 2002.

Edwin S. Olds

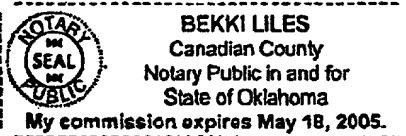
Edwin S. Olds

STATE OF Oklahoma)
COUNTY OF Canadian) ss:

On this 1st day of February, 2002, before me personally appeared Edwin S. Olds to me known to be the person described in, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Bekki Liles
Notary Public



IN TESTIMONY WHEREOF, I have hereunto set my hand this 1 day of

Feb, 2002.

Mark Thiessen
Mark A. Thiessen

STATE OF Oklahoma)
COUNTY OF Canadian)ss:

On this 1st day of February, 2002, before me personally appeared Mark A. Thiessen to me known to be the person described in, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

Bekki Liles
Notary Public

[SEAL]

